

Abstract of the Disclosure

Communication nodes respectively comprise a function for transmitting/receiving a digital wrapper frame. SDH devices transmitting/receiving an SDH frame are connected to some of the communication nodes, and Ethernet devices transmitting/receiving an Ethernet packet are connected to some others of the communication nodes. An SDH frame and an Ethernet packet are stored in a payload of a digital wrapper frame, and transmitted between communication nodes. A network management device manages a connection relationship among the communication nodes, and paths set up on a digital wrapper network. The communication nodes respectively transfer a digital wrapper frame in accordance with an instruction from the network management device.